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TITLE : NONAQUEOUS BATTERY

ABSTRACT : PROBLEM TO BE SOLVED: To restrain the increase of the internal pressure of a battery, keep high airtight over a long period of time, and prevent leakage of electrolyte, decrease in the cycle service life and deformation of a vessel by providing a carbon dioxide absorbent composed of a hydroxide oxide and carbonate of a metal of group I and group II in the battery.

SOLUTION: A carbon dioxide absorbent is sealed in a nonaqueous secondary battery. A hydroxide, oxide or carbonate of a metal of group I and group II is used as the carbon dioxide absorbent. LiOH, NaOH, KOH, Ca(OH)₂, Ba(OH)₂, Li₂O, CaO, Ascarite or the like are given as examples. These compounds absorb carbon dioxide to form carbonates. These compounds are stable solid, easily handled, and can be used as a pellet, a small particle or powder. A material using the molecular sieve action, such as synthetic zeolite, activated carbon, molecular sieving carbon or the like, can be used as the carbon dioxide absorbent.

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